

FIG. 1

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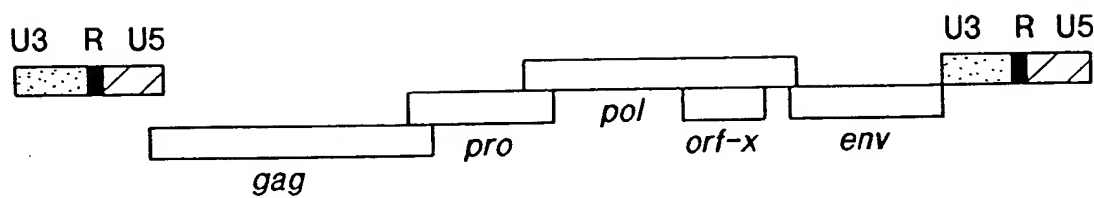


FIG. 2a

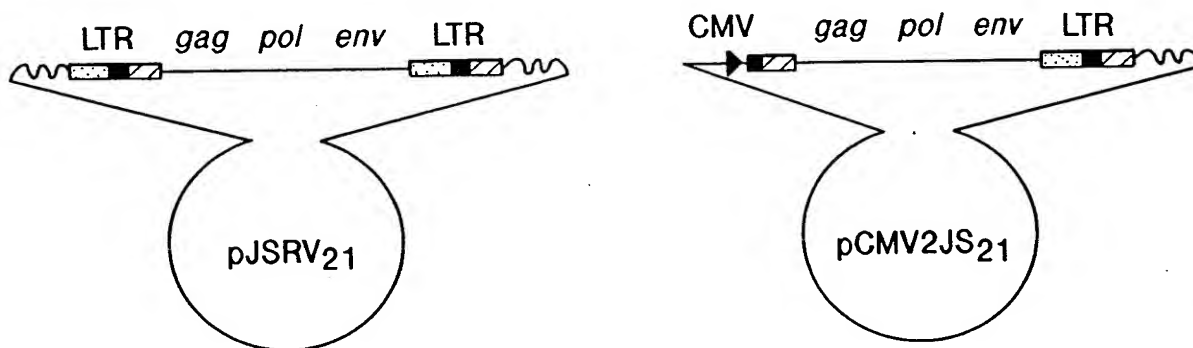


FIG. 2b

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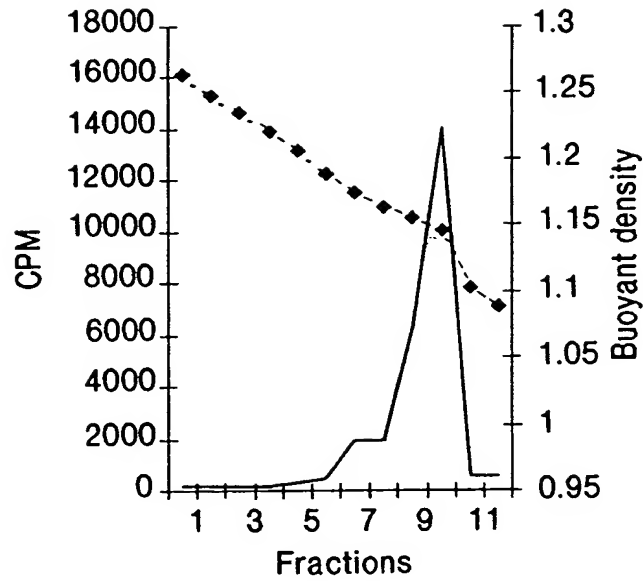


FIG. 3a

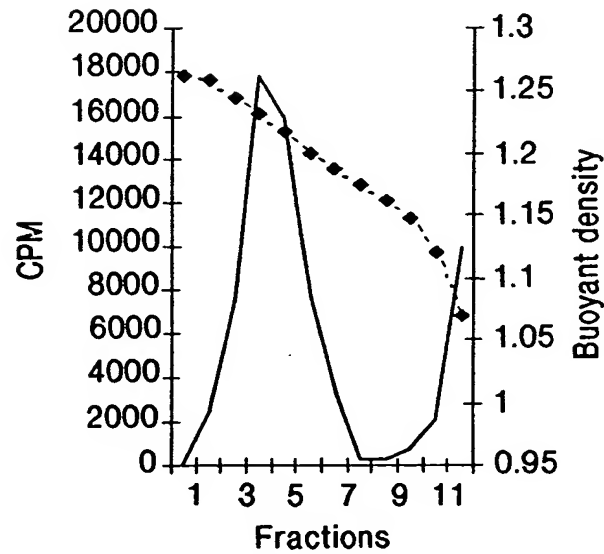


FIG. 3b

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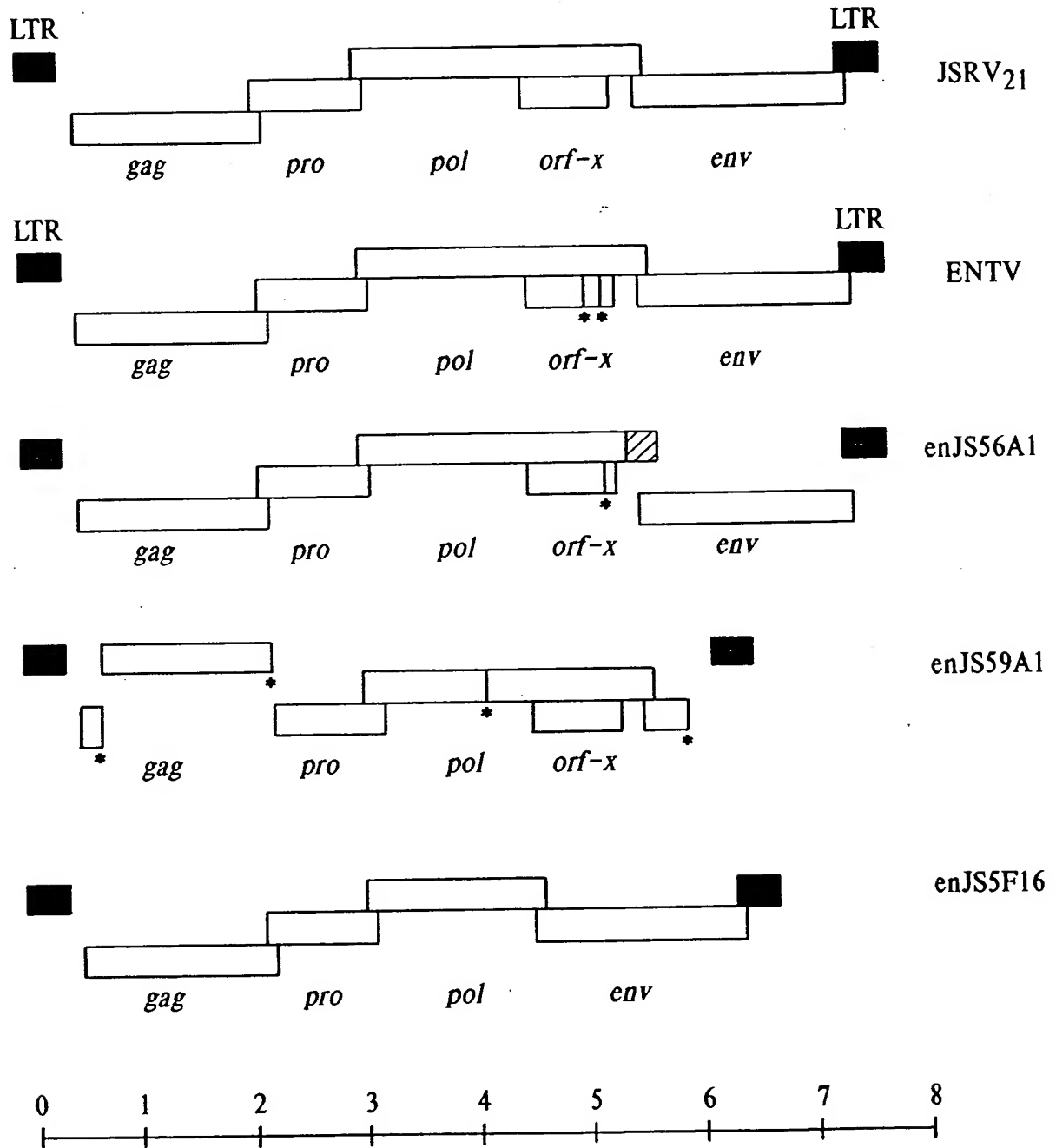


FIG. 4



*HpaI*

JSRV2I	LSGGDYLLWKSEFFEQCARIADVNRQQGIQTSYEMLI GEGPYQATOTQLNFLPGAYAQISNAARQAWKRLPSSSTKTEDL	395
JSRV-SA	.....K.....	396
ENTV	.....K.....	397
en5F16	.....K.....	400
en56A1	.....K.....	400
	CA ←	
JSRV2I	SKVRQGPDEPYQDFVARLLDTIGKIMSDEKAGMVLAKQLAFENANSACQAALRPYRKKGDLSDFIRICADIGPSYMQGIA	475
JSRV-SA	.....	476
ENTV	.....	477
en5F16	.....	480
en56A1	.....A.....	480
	Q.....	480
JSRV2I	MAAALQGKSIKEVLFQQQARNKKGLQKSGNSGCFVCGQPGHRAAVCPQKQQGQPVNTPNLCPRCKKGKHWARDCRSKTDVQ	555
JSRV-SA	.....H.TS.....	556
ENTV	.....R.R.R.....S.....	557
en5F16	.....L.....S.....	560
en56A1	.....S.....H.....	560
JSRV2I	GNPLPPVSGNWVRGQPLAPKQCYGATLQVPKEPLQTSVEPQEAARDWTSVPPPIQY.	612
JSRV-SA	.....	613
ENTV	.....T.....	614
en5F16	.....G.....T.....	617
en56A1	.....G.....T.....	617

FIG. 5-2



SU ←→ TM

JSRV21	SNCILTNCIRGVAKEQVVIIVKQPAFVMLPVEIAEAWYDETALELLQRIOTALSRPKRGLSLIILGIVSLITLIATAVTA	407
JSRV-SA	.....	400
ENTV	.....T.E.....	400
enJS56A1	.....T.E.....	407
enJS5F16	.....T.E.....	407
JSRV21	SVSLAQSIQAAHTVDSL SYNVTKVMGTQEDIDKKIEDRLSALYDVVRVLGEQVQSI NFRMKIQCHANYKWICVTKKPNT	487
JSRV-SA	C.....	480
ENTV	.....	480
enJS56A1	.....S.....N.....	487
enJS5F16	.....H.....	487
JSRV21	SDFPWDKVKKHLQGIWENTNLSDLLQLHNEILD IENSPKATLNIADTVDNFLQNLFSPSLHSLWKT LIGVILVFII	567
JSRV-SA	.....L..F.I..	560
ENTV	.....Y.....E.....V.....N.....QSI.VIA.I..V	560
enJS56A1	.....TV.....RSI.AM.AVLTVV	567
enJS5F16	.....V.....QSI.AM.AVLTVV	567
V R3		
JSRV21	IVVILIFPCLVRGMVRDELKMRVEMLHMKYRNMLQHQLMELLKNKERGDAGD--D-P	622
JSRV-SA	AI..FV...V...L.....T....R.....A....P.	616
ENTV	.....LV...T..LIK...Q..I.LI.....Y...Y.K..DFV.KR.GSCG.QPAEG.	618
enJS56A1	LII.CLA...I.SI.KE..H...-LI.-K.....A....P	618
enJS5F16	LII.CLA...I.SI.KE..H...-LI.-K.....A....P	618

FIG. 6-2



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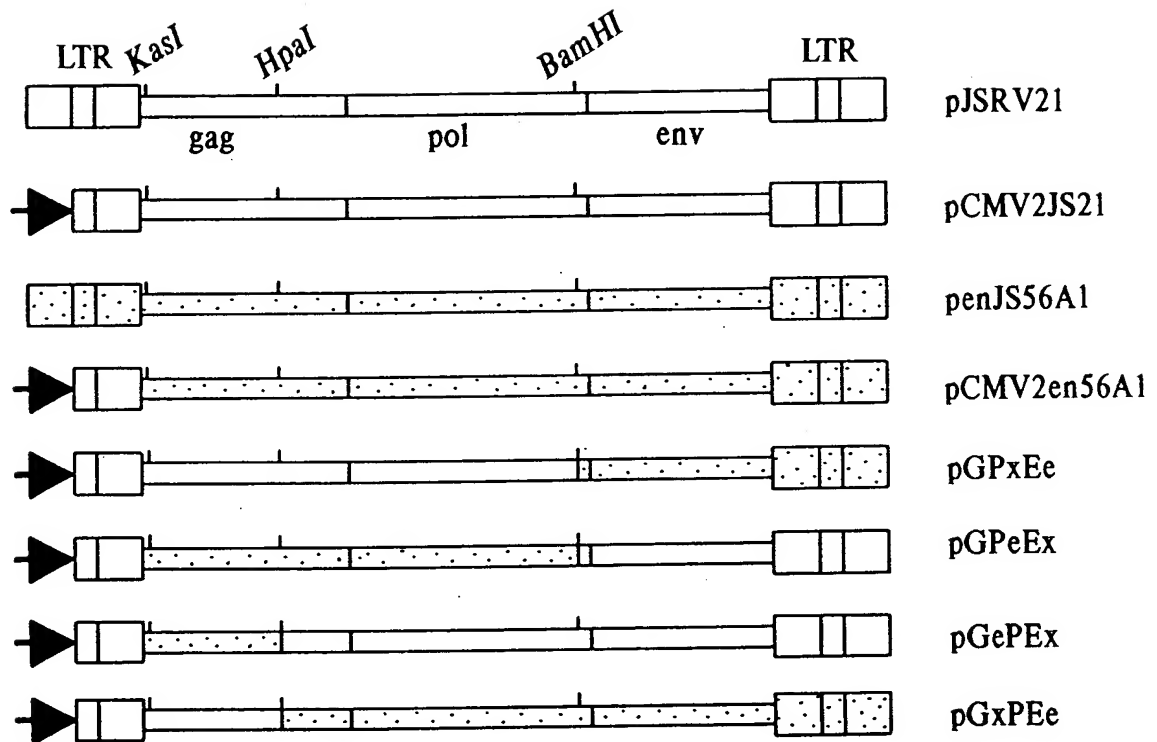


FIG. 7

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PBS		
JSRV21	TGGCGCCCAACGCTGGGGCTCGAGCTCGACAGTTTCTTC-GCCACTACTCTCTCATTAAATTGAAACAAGTGAGTATATGGAT	79
JSRV-SA	.....C.....CT.....A.....	80
ENTV	.....C...-T.....T.....CA.....T..A..	73
enJS5F16	.....C...-.....T.....AG.....AG.	92
enJS59A1	.....A.....C---AT.....T...GC.....AG.....AG.	89
enJS56A1	.....C.C.-.....T.....AG.....AG.	92
JSRV21	AAACGGGTGAATTTAAGGAGGAGTAGTAAGGTATATAGTTGAGAGTATAAAT	135
JSRV-SA	....AA..AGCC...A.....	136
ENTV	G..TAA...T...CA...A.....	129
enJS5F16	.C..AA.....A..G.....	148
enJS59A1	.T..AA.....A..G.....	145
enJS56A1	.C..AA.....A..G.....	148

FIG. 8

FIG. 9A

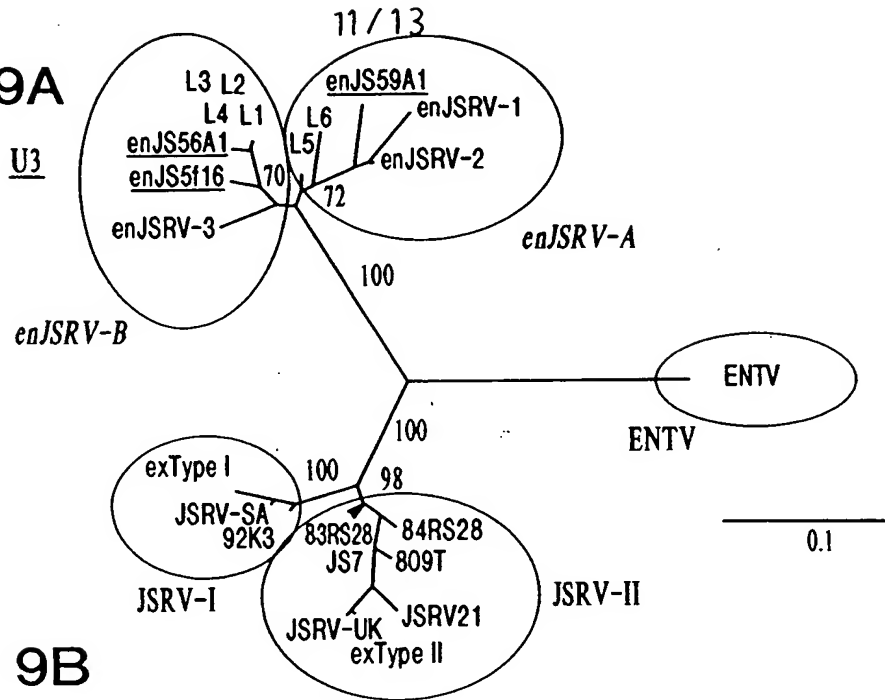


FIG. 9B

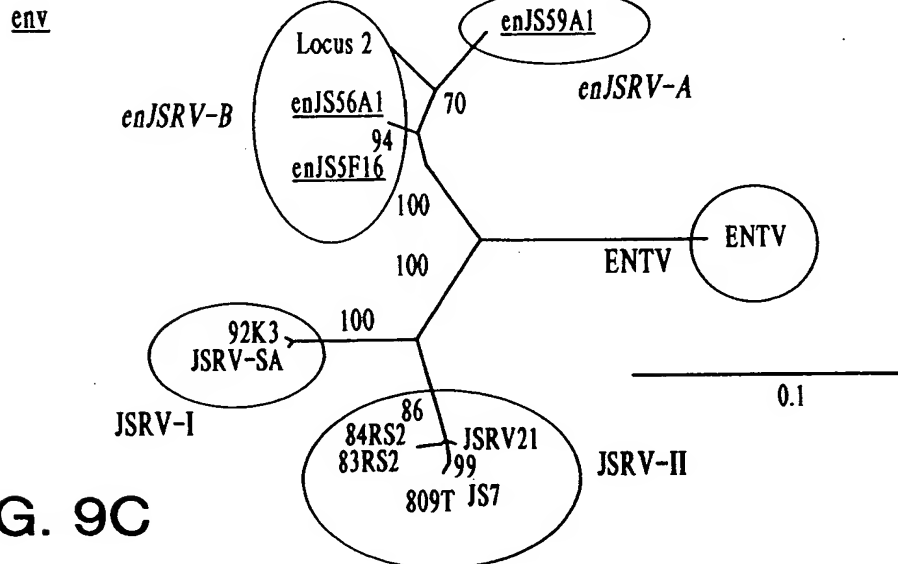
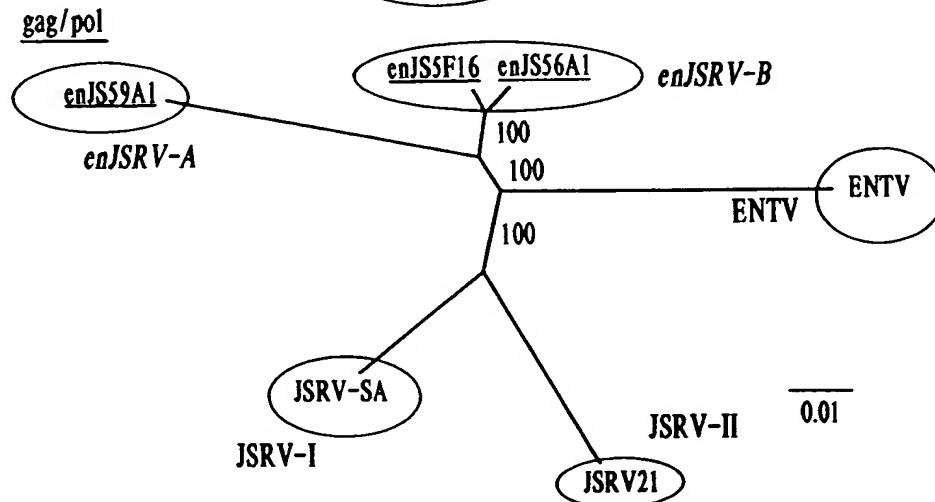


FIG. 9C



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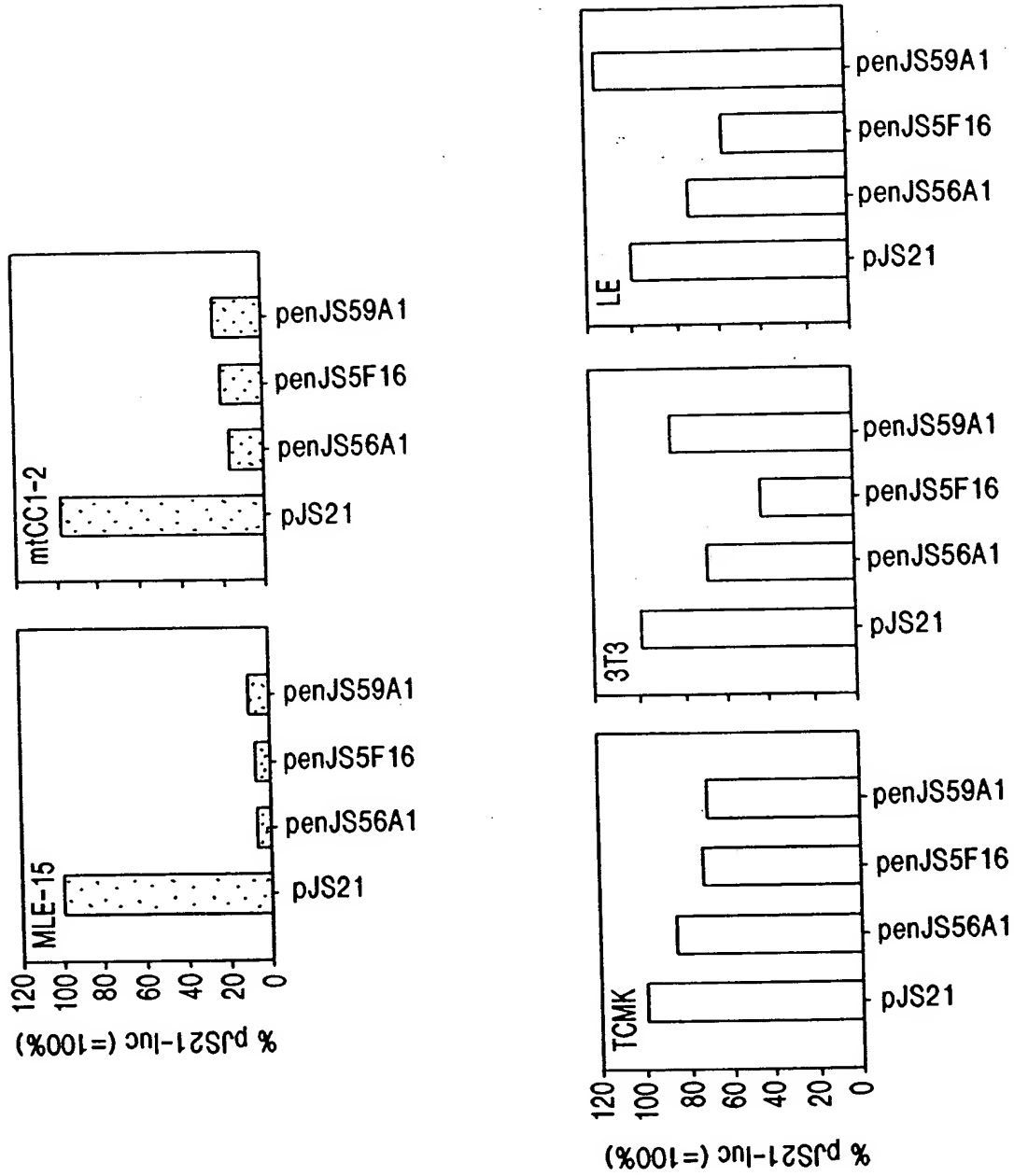


FIG. 10

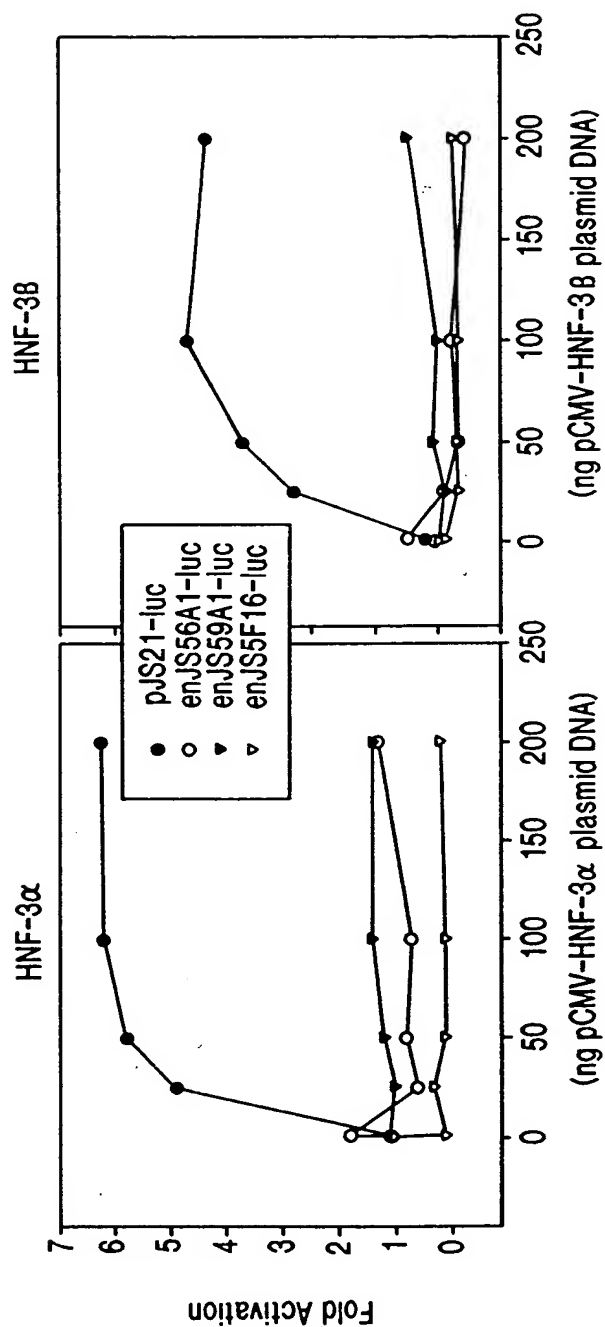


FIG. 11